

Category	Functions	p-Value	Molecules	# Molecules
Cell Morphology/	formation of plasma membrane projections	5.85E-09	ACTR3,CAMK2A,CAPZB,CDH2,CTNND2,DLGAP2,DNM1L,GDA,L1CAM,MAPT,NCAM1,OPA1,PACSIN1,Pfn2,RHOA,SEPT11	16
Cellular Assembly and Organization	branching of neurites	7.40E-09	ACTR3,CAMK2A,CAPZB,CDH2,CTNND2,DLGAP2,DNM1L,GDA,L1CAM,OPA1,PACSIN1,Pfn2,RHOA,SEPT11	14
	neuritogenesis	1.36E-08	ACTR3,CAMK2A,CAPZB,CDH2,CTNND2,DLGAP2,DNM1L,GDA,L1CAM,NCAM1,OPA1,PACSIN1,Pfn2,RHOA,SEPT11	15
	density of dendritic spines	7.67E-08	CAPZB,CTNND2,DLGAP2,DNM1L,GDA,OPA1,RHOA,SEPT11	8
	dendritic growth/branching	1.47E-06	CAMK2A,CAPZB,CDH2,CTNND2,DLGAP2,DNM1L,GDA,OPA1,PACSIN1,RHOA,SEPT11	11
Cell-To-Cell Signaling and Interaction	quantity of synapse	6.29E-04	CAPZB,DNM1L,GRIN1	3
	synaptogenesis	1.51E-03	DNM1L,NCAM1,SYN2	3
	long-term potentiation of hippocampal cells	3.01E-03	CAMK2A,KCNA4	2
	long term depression	1.47E-02	CAMK2A,GRIA1,GRIN2B	3
	long-term potentiation	3.11E-02	CAMK2A,GRIN2A,KCNA4	3
Nervous System Development and Function	formation of plasma membrane projections	5.85E-09	ACTR3,CAMK2A,CAPZB,CDH2,CTNND2,DLGAP2,DNM1L,GDA,L1CAM,MAPT,NCAM1,OPA1,PACSIN1,Pfn2,RHOA,SEPT11	16
	branching of neurites	7.40E-09	ACTR3,CAMK2A,CAPZB,CDH2,CTNND2,DLGAP2,DNM1L,GDA,L1CAM,OPA1,PACSIN1,Pfn2,RHOA,SEPT11	14
	neuritogenesis	1.36E-08	ACTR3,CAMK2A,CAPZB,CDH2,CTNND2,DLGAP2,DNM1L,GDA,L1CAM,NCAM1,OPA1,PACSIN1,Pfn2,RHOA,SEPT11	15
	density of dendritic spines	7.67E-08	CAPZB,CTNND2,DLGAP2,DNM1L,GDA,OPA1,RHOA,SEPT11	8
	dendritic growth/branching	1.47E-06	CAMK2A,CAPZB,CDH2,CTNND2,DLGAP2,DNM1L,GDA,OPA1,PACSIN1,RHOA,SEPT11	11